



### CLAIMS

1. A process for digesting materials comprising:  
receiving a stream of materials to be treated into a reaction container,  
5     subjecting the materials to anaerobic digesting,  
   subjecting the materials to aerobic digesting,  
   and repeating the digesting phases until the desired output is achieved.

### ABSTRACT

10     The present invention provides a digester for handling waste or contaminated materials. A process and an apparatus for processing are disclosed. A Dry Cycle Anaerobic Digester (DCAD) uses tanks to perform aerobic and anaerobic digestion to eliminate the waste, while producing little or no sludge.